

Amendments to the Claims:

Claims 1-10 (Cancelled).

11. (New) A retroreflecting metrology target marker device comprising:
a target member including:

a flange having a spherical annular lateral surface with a radius equal to a radius of an imaginary sphere; and

a plate standing erect on said flange in an equatorial plane of the imaginary sphere so as to be perpendicular to said flange, said plate having two parallel planar faces, at least one of said planar faces having a retroreflecting surface, said plate having a hole extending entirely through said plate and having a longitudinal center axis perpendicular to each of said planar faces and extending through the center of the imaginary sphere; and

a support for supporting said target member so that said plate of said target member extends from said support, said support including a receptacle head having a housing for receiving said target member, said housing having an open end open to the atmosphere, said open end having an outwardly-flared frustoconical seat tangentially bearing against said spherical annular lateral surface of said flange.

12. (New) The device of claim 11, wherein said hole has a first end open to the atmosphere and has a second end open to the atmosphere, at least one of said first end and said second end having an outwardly-flared frustoconical region.

13. (New) The device of claim 12, wherein said first end and said second end of said hole each have an outwardly-flared frustoconical region.

14. (New) The device of claim 11, wherein each of said planar faces has a retroreflecting surface.

15. (New) The device of claim 11, wherein said hole has a first end open to the atmosphere and has a second end open to the atmosphere, at least one of said first end and said second end having an outwardly-flared frustoconical region, a wall of said outwardly-flared frustoconical region being inclined at an angle of approximately 35° to approximately 45° with respect to the longitudinal center axis of said hole.

16. (New) The device of claim 11, wherein said target member has a circular base portion, said plate standing on said circular base portion.

17. (New) The device of claim 11, wherein said target member further includes a generally cylindrical body connected to said flange and shaped so as to be inserted into said housing of said receptacle head of said support.

18. (New) The device of claim 11, wherein said support further includes a support base shaped so as to be anchored into a structure to be metrologically measured.

19. (New) The device of claim 11, further comprising a ring-shaped assembly member having an inner screwthread, said receptacle head having an outer screwthread for engaging said inner screwthread of said assembly member, said assembly member being shaped and arranged so that an inner abutment surface of said assembly member clamps said flange of said target member against said receptacle head of said support when said assembly member is threaded onto said receptacle head.

20. (New) The device of claim 11, wherein the imaginary sphere has a diameter in a range of approximately 25 mm to approximately 35 mm.

21. (New) The device of claim 11, wherein said flange has a second surface opposite said spherical annular lateral surface, said plate standing on said second surface so as to be perpendicular to said second surface.

22. (New) The device of claim 21, wherein said second surface has a planar circular base portion, said plate standing on said base portion so as to be perpendicular to said base portion.

23. (New) The device of claim 11, wherein said flange of said target member is shaped and arranged so as to be inserted into said housing of said support such that said plate extends from an end of said support.

24. (New) A retroreflecting metrology target marker device comprising:
a target member including:

a flange having a spherical annular lateral surface with a radius equal to a radius of an imaginary sphere, and having a second surface opposite said spherical annular lateral surface; and

a plate standing erect on said second surface of said flange in an equatorial plane of the imaginary sphere so as to be perpendicular to said second surface of said flange, said plate having two parallel planar faces;

a support for supporting said target member so that said plate of said target member extends from said support, said support including a receptacle head having a housing for receiving said target member and having an outer screwthread, said housing having an open end open to the atmosphere, said open end having an outwardly-flared frustoconical seat tangentially bearing against said spherical annular lateral surface of said flange; and

a ring-shaped assembly member having an inner screwthread for engaging said outer screwthread of said receptacle head, said assembly member being shaped and arranged so that an inner abutment surface of said assembly member abuts said second surface of said flange so as to

clamp said flange of said target member against said receptacle head of said support when said assembly member is threaded onto said receptacle head.

25. (New) The device of claim 24, wherein at least one of said planar faces of said plate has a retroreflecting surface, and said plate has a hole extending entirely through said plate and having a longitudinal center axis perpendicular to each of said planar faces and extending through the center of the imaginary sphere.

26. (New) The device of claim 25, wherein said hole has a first end open to the atmosphere and has a second end open to the atmosphere, at least one of said first end and said second end having an outwardly-flared frustoconical region.

27. (New) The device of claim 26, wherein said first end and said second end of said hole each have an outwardly-flared frustoconical region.

28. (New) The device of claim 25, wherein each of said planar faces has a retroreflecting surface.

29. (New) The device of claim 25, wherein said hole has a first end open to the atmosphere and has a second end open to the atmosphere, at least one of said first end and said second end having an outwardly-flared frustoconical region, a wall of said outwardly-flared frustoconical region being inclined at an angle of approximately 35° to approximately 45° with respect to the longitudinal center axis of said hole.

30. (New) The device of claim 24, wherein said target member further includes a generally cylindrical body connected to said flange and shaped so as to be inserted into said housing of said receptacle head of said support.